

IN THE CLAIMS:

Please amend the claims as follows:

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1. (Currently Amended) A method, including steps of  
sending data between a client and a server at an address agreed by said client and  
said server, said address responsive to a size of said data;

wherein said steps of sending data are responsive to a request or a response  
between said client and said server; and

wherein said steps of sending data are asynchronous with regard to said request or  
said response.

2. (Original) A method as in claim 1, wherein  
said request or said response includes at least some control information; and  
said steps of sending data are responsive to said control information.

3. (Original) A method as in claim 1, wherein  
said request or said response includes at least one memory address;  
said steps of sending data are responsive to said memory address, wherein said  
data is read from or written to a memory in response to said memory address.

4. (Currently Amended) A system including

a client and server;

a NUMA communication link coupled to said client and server;

a request from said client to server or a response from said server to client; and

a data transfer between said client and server;

wherein said data transfer has a time that is decoupled from a time of said request

or response; and

wherein said data transfer has a location that is mutually agreed between said client and server, said location responsive to a size of said data transfer.

5. (Original) A system, as in claim 4, also including a byte serial communication

link.

6. (Original) A system as in claim 4, wherein

either said client or server performs processing of information in said data transfer;

said processing is performed in an order convenient to both said client and server;

and

said order is decoupled from an order of said data transfer.

7. (Original) A system as in claim 4, wherein said data transfer is responsive to control information in said request or response.

8. (Original) A system as in claim 4, wherein said data transfer is responsive to said request or response.

9. (Original) A system as in claim 4, wherein said data transfer uses said NUMA communication link.

10. (Original) A system as in claim 4, wherein said mutually agreed location is responsive to control information in said request or response.

11. (Original) A system as in claim 4, wherein said request or response uses said byte serial communication link.

12. (Currently Amended) A system including  
a server, said server having a memory including a client communication region  
and a data transfer region, said data transfer region having buffers matched to different sized data transfers;

a remote DMA communication link coupled to said data transfer region;

said client communication region including information regarding a data transfer into or out of said data transfer region;

said data transfer being decoupled in time from said client request region.

13. (Original) A system as in claim 12, including a byte serial communication link coupled to said client communication region.

14. (Original) A system as in claim 12, including a processing element in said server coupled to said data transfer region, said processing element responsive to a request from a client or a response to a client.

15. (Original) A system as in claim 12, including a processing element in said server coupled to said data transfer region, said processing element responsive to control information in said client communication region.

16. (Original) A system as in claim 12, including a processing element in said server coupled to said data transfer region, said processing element using information in said data transfer region independently of said remote DMA communication link.

17. (Original) A system as in claim 12, including a request from a client or a response to said client having information regarding a location within data transfer region.

18. (Original) A system as in claim 12, wherein said client communication region stores a request from a client or a response to said client.

19. (Original) A system as in claim 12, wherein said data transfer region stores a data transfer to or from a client.

20. (Original) A system as in claim 12, wherein said remote DMA communication link includes a NUMA communication link.

21. (Currently Amended) A method including communicating file system requests and responses between a client and a file server;

sending data between said client and said file server using a memory access operation at an address agreed by said client and said file server, wherein said address is responsive to information in said requests or said responses and to a size of said data.

22. (Original) A method as in claim 21, wherein said memory access operation includes a DMA operation.

23. (Original) A method as in claim 21, wherein said memory access operation includes a remote DMA operation.

24. (Original) A method as in claim 21, wherein said client includes a database server.

25. (Currently Amended) A method including communicating database requests and responses between a client and a database server;

sending data between said client and said database server using a memory access operation at an address agreed by said client and said database server, wherein said address is responsive to information in said requests or said responses and to a size of said data.

26. (Currently Amended) A method including communicating requests and responses between a client and a server; sending data between said client and said server using a memory access operation at an address agreed by said client and said server, wherein said address is responsive to information in said requests or said responses and to a size of said data.

27. (Original) A method as in claim 26, including receiving said data at one of said client or at said server in a first order; and processing said data at said one device in a second order unrelated to said first order.